

FIG. 2

System	ECG	SpO2	NIBP	TEMP
Controls for System Setup				
Current Profile				Monitor Status
Factory				Profiles
Alarm Suspend Time	180	seconds		
Alarm Volume	High			
Tone Volume	6			
Heart Rate Source	AUTO			
				Color
				Cancel
				Save

System Setup Control Popup

FIG. 3A

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System ECG SpO2 NIBP TEMP

Controls for System Setup

Current Profile *Factory*

Alarm Suspend Time 180 seconds

Alarm Volume 180

Tone Volume 150

Heart Rate Source 120

90

60

30

Monitor Status

Profiles

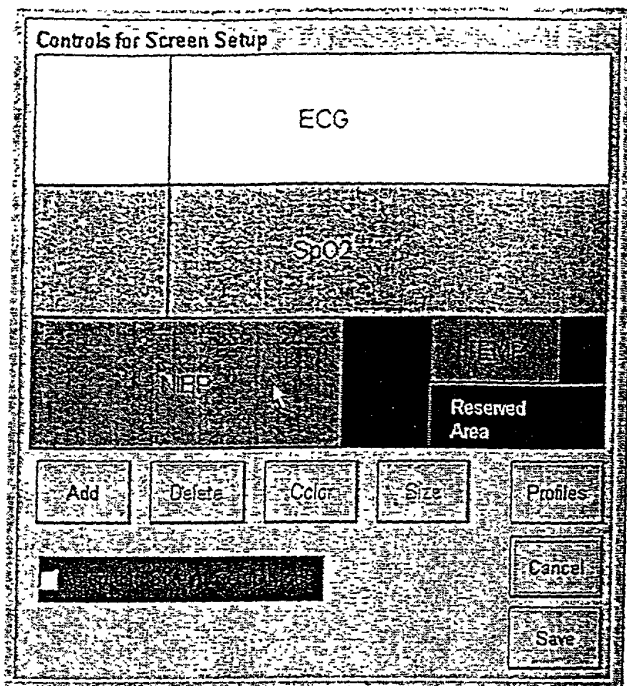
Color

Cancel

Save

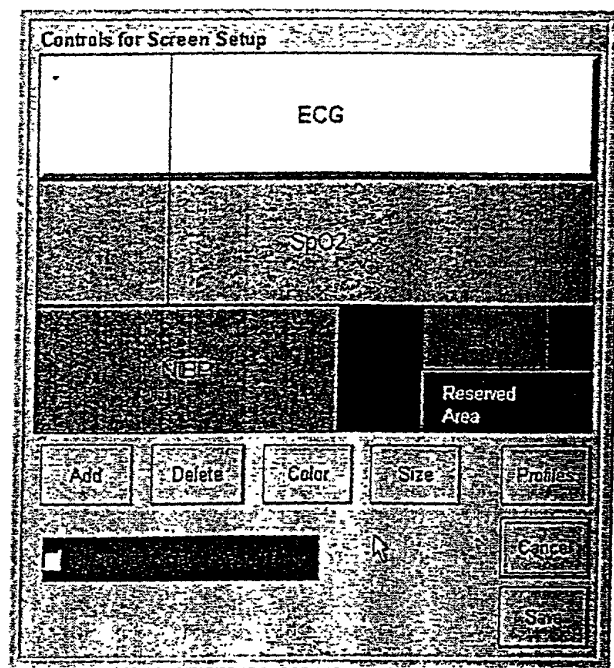
Alarm Suspend pull down has been clicked on

FIG. 3B



Screen Format Control Panel

FIG. 4A



User has clicked on ECG

FIG. 4B

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Controls for Alarm Setup					
Parameter	Current Value	High Limit	Low Limit	Priority	
ECG	78	110	40	High	<input type="checkbox"/>
SpO2	98	OFF	85	High	<input type="checkbox"/>
NIBP	Sys 130	190	OFF	High	<input type="checkbox"/>
	Dias 85	110	OFF		
	Mean (110)	OFF	OFF		
TEMP	37.0	OFF	OFF	Medium	<input type="checkbox"/>

☒ Display Limits?

Close

Alarm Setup control panel

FIG. 5

System	ECG	SpO2	NIBP	TEMP
Controls for ECG				
Alarm High	110			
Alarm Low	40			
Alarm Priority	High			
Size	1			mV/cm
Lead Select	II			
Filter	60Hz			
Sweep Speed	25			mm/sec
<input type="checkbox"/> Patient Paced				Color
<input checked="" type="checkbox"/> QRS Tone		<input type="checkbox"/> Record On Alarm		Cancel
<input type="checkbox"/> Display Units				Save
<input checked="" type="checkbox"/> Cascade ECG				

ECG Popup Control Panel

FIG. 6A

System	ECG	SpO2	NIBP	TEMP
Controls for Noninvasive Blood Pressure				
Alarm Limits	High		Low	
Systolic	190	OFF		
Diastolic	110	OFF		
Mean	OFF	OFF		
Alarm Priority	High			
Displayed Values	SDM	<input type="checkbox"/> Start NIBP for 5 Minutes		
Auto Mode	OFF	<input type="button" value="Color"/>		
1st Inflation	160	<input type="button" value="Cancel"/>		
<input checked="" type="checkbox"/> Display Units				
<input checked="" type="checkbox"/> Completion Tone	<input type="button" value="Save"/>			

FIG. 8

Control popup for NIBP

System	ECG	SpO2	NIBP	TEMP
Controls for Temperature				
Alarm High	OFF			
Alarm Low	OFF			
Alarm Priority	Medium			
Units	Celsius			
<input type="checkbox"/> Display Units				
<input type="button" value="Color"/>				
<input type="button" value="Cancel"/>				
<input type="button" value="Save"/>				

FIG. 9

Temperature control panel popup

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System ECG SpO2 NIBP TEMP

Controls for Pulse Oximetry

Alarm High	OFF	
Alarm Low	85	
Alarm Priority	High	
Average over	2	seconds
Sweep Speed	25	mm/sec

☒ Display Pulse Rate
☐ Display Pulse Bar
☐ Display Units

Color
 Cancel
 Save

Control popup for SpO2

Pressure/Temperature Processing Flow

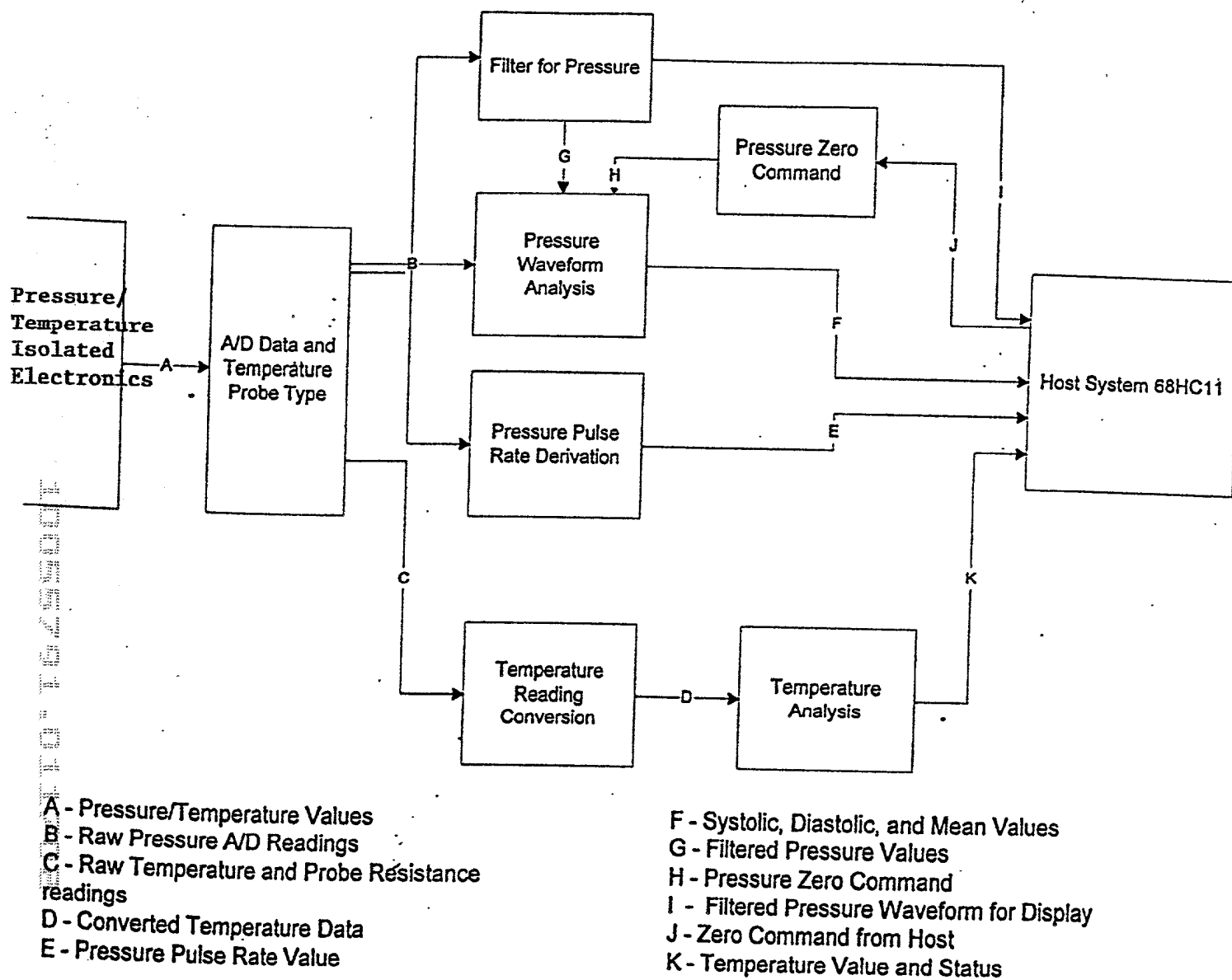
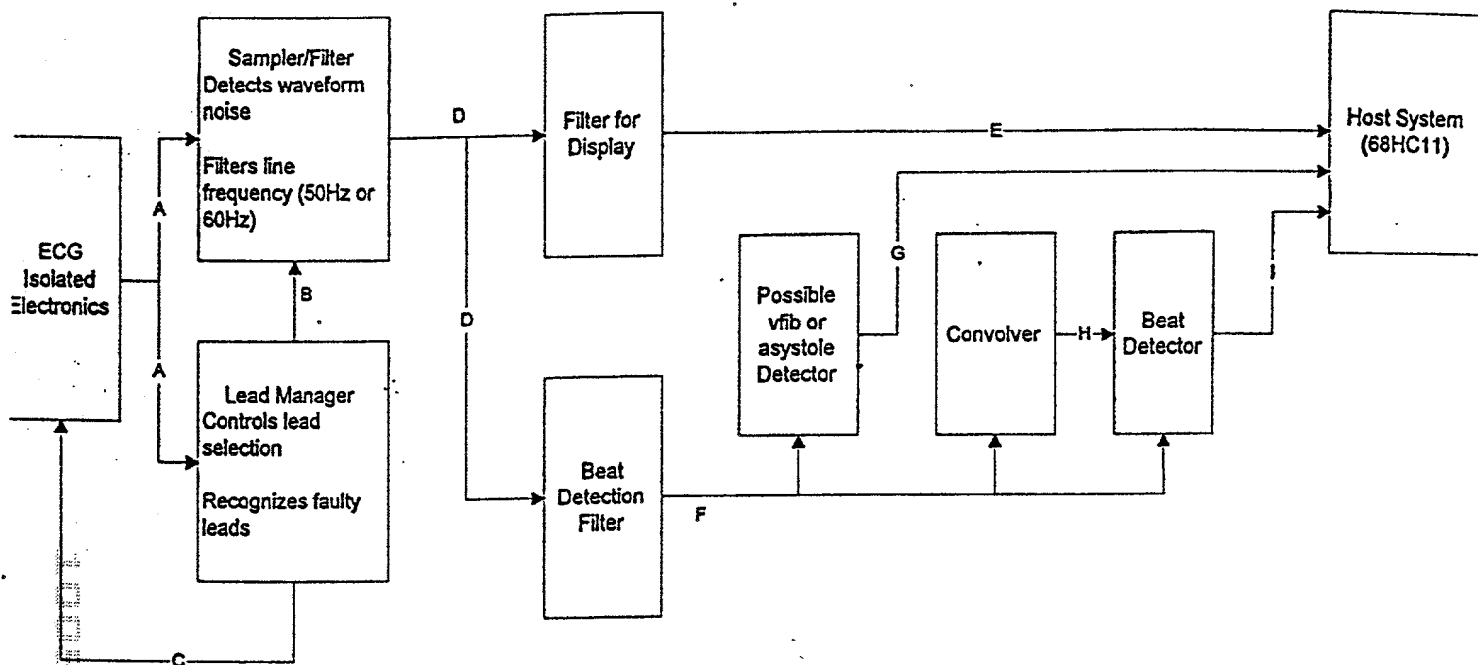


FIG. 10

ECG Processing Flow



A - Raw ECG Data from A/D Converter
 B - Lead Selection Information
 C - Lead Selection Control Lines
 D - Valid ECG Data
 E - ECG Waveform Display Data

F - Filtered ECG Data for Beat Detection
 G - ECG HR is 0 (possible asystole or vfib)
 H - Beat Detection Signal with QRS information
 I - ECG HR Value

FIG. 11

SMS Patient Data Transfer

Temperature (°F)	98.6	Resp Rate (0-50) rpm	
Pulse Rate (bpm)	78	Height (0-84) in	
O2 Sat (%)	98	Weight (0-300) lbs	
Systolic BP (mmHg)	130	Pain Scale (0-10)	
Diastolic BP	85	Violence Scale (0-60)	

Store Patient Vitals

Refresh Values

Cancel

FIG. 12

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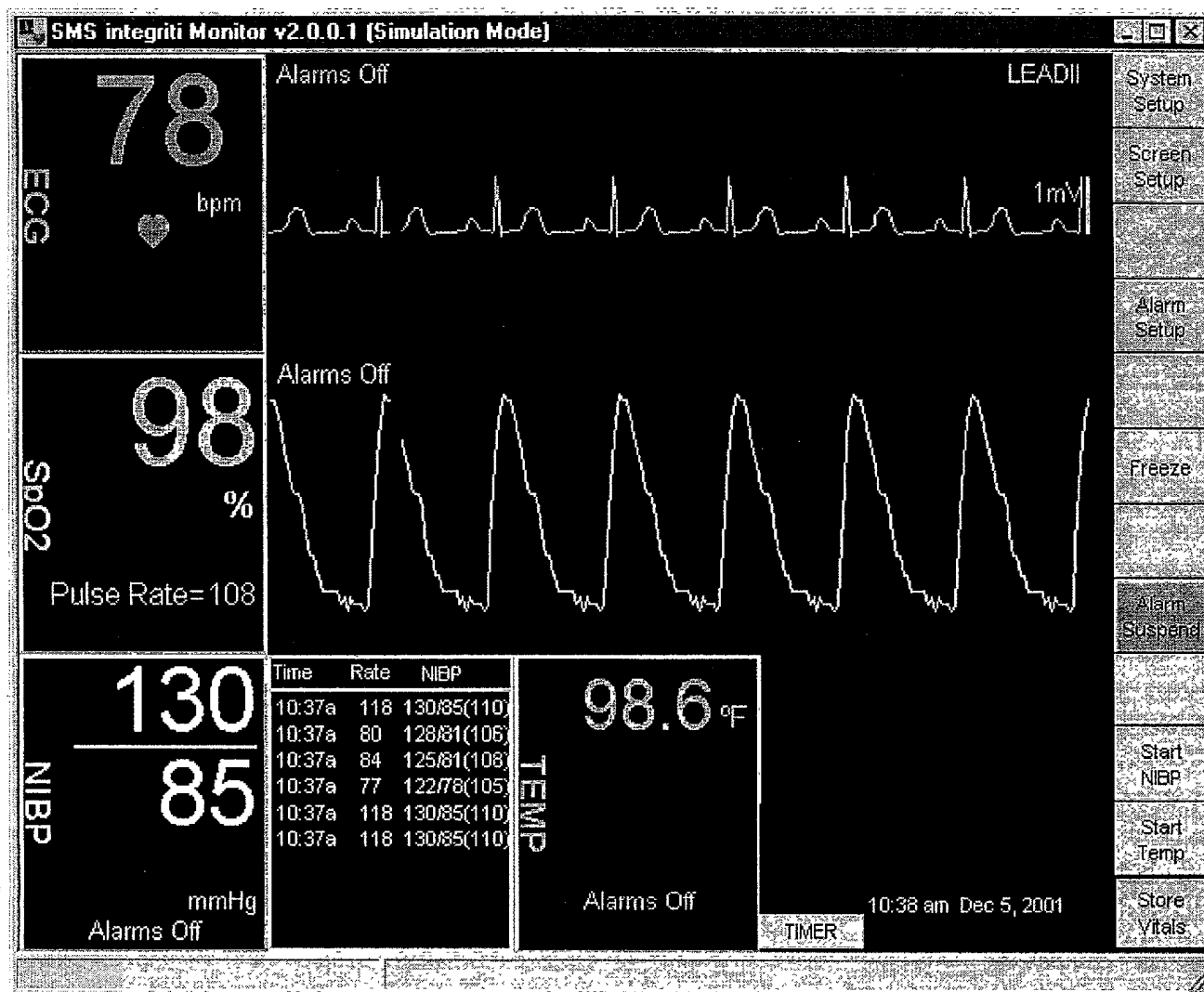


FIG. 13